



## 10K Type 2 Thermistors for HVAC

Thermometrics 10K Type 2 thermistors are NTC temperature sensors widely used in HVAC systems for accurate temperature monitoring. With a nominal resistance of 10 kΩ at 25°C (77°F), they provide a reliable resistance-to-temperature response for thermostats, air handlers, and heat pumps. Their fast response, stability, and accuracy make them a dependable choice for efficient HVAC control and performance.

### Features

- Nominal resistance: 10 kΩ at 25°C (77°F)
- Typical temperature range: about -40°C to 125°C
- Uses the 10K-A resistance-temperature curve, (10K Type 2) common in HVAC sensors
- Provides large resistance change per degree of temperature, enabling accurate temperature measurement
- Small thermal mass allows quick reaction to temperature changes
- Compact Size, Easy Integration
- Typical tolerance:  
±1% to ±5% at 25°C  
Stable over repeated temperature cycles
- Beta (B25/85) 3977 K
- Customizable to customer design requirements



### Applications

- HVAC temperature sensors
- Digital thermostats
- Battery temperature monitoring
- Home appliances
- Industrial temperature measurement

Series	Part Numbers					
CR1	NKA103C1R1C	NKA103C1B1	NKA103C1R10C	NKA103C1R2C		-
JI	JI-103C1R2-L301	JI-103C1R2-L102	JI-103C1R2-L252	-	-	-
JIC	JIC-103C1R2-L301	JIC-103C1R2-L102	JIC-103C1R2-L252	-	-	-
JS 48	JS4832	JS4833	-	-	-	-
JS8741	JS8741B	-	-	-	-	-
JS 8746	JS8746A-0.20	JS8746B-0.15	JS8746A-0.15	JS8746C-0.15	JS8746C-0.20	JS8746B-0.20
NK 103	NK103C1B10	NK103C1B1	NK103C1R1	NK103C1R3	NK103C1R5	NK103C1R10
NKI	NKI100NF103C1R1E	NKI10NF103C1R1E	NKI10NF103C1R5E	NKI100NF103C1R5E	-	-